

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of

Jiebo Luo, et al

A METHOD AND SYSTEM FOR
SELECTIVELY APPLYING
ENHANCEMENT TO AN IMAGE

Serial No. Not assigned

Filed herewith

Commissioner for Patents
Washington, D.C. 20231

Group Art Unit: Not assigned

Examiner: Unknown

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Date

December 10, 2001



Sir:

INFORMATION DISCLOSURE STATEMENT FOR CONSIDERATION
BY THE OFFICE UNDER 37 C.F.R. 1.97-1.99

Enclosed herewith are patents and/or publications for consideration by the Patent and Trademark Office in regard to the invention claimed in the above-described application. In compliance with §1.56, such documents are listed in the enclosed Form PTO-1449.

Applicants request that the Patent and Trademark Office make of record the above-identified documents. Unless otherwise indicated, a full text copy of each document is attached. For documents not in English, an English translation or an equivalent English language patent or publication is attached. Where a translation is not available, a concise explanation of the relevance of each document not in English is included either here or in the specification.

This Information Disclosure Statement is submitted according to the following selected paragraph:

- I. ☒ This Statement is being filed under §1.97(b) within three months of the filing date of the application (other than a CPA), or before the first Office action on the merits or before mailing of a first Office action after the filing of a request for continued examination.
- II. ☐ This Statement is being filed under §1.97(c), with fee, **prior** to either a final action, a notice of allowance or an action that otherwise closes prosecution in the application. Please charge the fee required by §1.17(p) to Eastman Kodak Company Deposit Order Account Number 05-0225. A duplicate copy of this Statement is enclosed.

III. ☐ This Statement is being filed under §1.97(c), with a statement under, §1.97(e) **prior** to either a final action, a notice of allowance or an action that otherwise closes prosecution in the application. The undersigned hereby states that (check one):

☐ each item of information contained in this Statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this Statement.

☐ no item of information in this Statement was cited in a communication from a foreign patent office in a counterpart foreign application and, to the knowledge of the person signing this certification statement under §1.97(e) after making reasonable inquiry, no item of information contained in this Statement was known to any individual designated in §1.56(c) more than three months prior to the filing of this Statement.

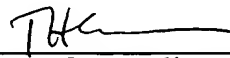
IV. ☐ This Statement is being filed under §1.97(d), with fee and statement under §1.97(e), on or after the mailing date of either a final action, a notice of allowance (but prior to payment of the issue fee) or an action that otherwise closes prosecution in the application. Please charge the fee required by §1.17(p) to Eastman Kodak Company Deposit Order Account No. 05-0225. A duplicate copy of this Statement is enclosed. The undersigned hereby states that (check one):

☐ each item of information in this Statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this Statement.

☐ no item of information in this Statement was cited in a communication from a foreign patent office in a counterpart foreign application and, to the knowledge of the person signing this certification Statement under §1.97(e) after making reasonable inquiry, no item of information contained in this Statement was known to any individual designated in §1.56(c) more than three months prior to the filing of this Statement.

Respectfully submitted,

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Enclosures



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FORM PTO-1449 US DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		Atty. Docket No. 83492/THC Customer No. 01333		Serial No. Not assigned	
If AFTER the later date of the first Office Action or 3 months from filing, use only with Rule 97(E) Certificate or Fee		Applicant: Jiebo Luo, et al			
LIST OF ART CITED BY APPLICANT (Use several sheets if necessary)		Filing Date Filed herewith		Group Not assigned	

U.S. PATENT DOCUMENTS						
Examiner Initial*	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	6,141,017	Oct. 31, 2000	Cubillo et al.			
	5,901,245	May 4, 1999	Warnick et al.			
	5,781,276	July 14, 1998	Zahn et al.			
	5,710,833	Jan. 20, 1998	Moghaddam et al.			
	5,682,443	Oct. 28, 1997	Gouch et al.			
	4,203,671	May 20, 1980	Takahashi et al.			

FOREIGN PATENT DOCUMENTS						
Examiner Initial*	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO
	0 681 268 A1	Nov. 8, 1995	EPO			X

OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)	
~	Cho et al., Adaptive skin-color filter, Pattern Recognition 34 (2001) pp. 1067-1083
~	Fleck et al., Finding Naked People , Proceedings of the European Conference on Computer Vision, Vol. 2, 1996, pp. 592-602
~	Heisele et al., Face Detection in Still Gray Images , MIT Artificial Intelligence Lab, A.I. Memo No. 1687, C.B.C.L Paper No. 187, May 2000, pp. 1-126
~	Saber et al., Automatic Image Annotation Using Adaptive Color Classification , Graphical Models and Image Processing, Vol. 58, No. 2, March 1996, pp. 115-126
~	Lee, Digital Image Smoothing and the Sigma Filter , Computer Vision, Graphics, and Image Processing, Vol. 24, April 1983, pp. 255-269
~	Luo et al., Artifact Reduction in Low Bit Rate DCT-Based Image Compression , IEEE Transactions on Image Processing, Vol. 5, No. 9, September 1996, pp. 1363-1368
~	Textbook: Jain, Fundamentals of Digital Image Processing , published 1989 by Prentice-Hall, pp. 249-250
~	Cannata et al., USSN: 09/728,365, filed November 30, 2000, publication no. 20010031084, ✓ published October 18, 2001
~	USSN: 09/450,190, filed November 29, 1999 by Luo et al.
~	USSN: 09/904,366, filed July 12, 2001 by Dupin et al.
~	USSN: 09/951,256, filed September 13, 2001 by Luo et al.

EXAMINER	DATE CONSIDERED
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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

 J1046 U.S. PTO
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